

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of the claims in the above-captioned patent application.

Listing of Claims:

1-3. (Canceled).

4. (Currently Amended) An OFDM receiver including, comprising:
a detector for detecting ~~[[a]]~~ the level change of an OFDM signal; and
an automatic gain controller for adjusting the level of the OFDM signal in accordance with a signal level detected by the detector; and ~~the receiver further comprising:~~

a controller for determining an actual signal receiving condition in accordance with ~~a change in~~ the signal level detected by the detector, and for setting gain control conditions of the automatic gain controller in accordance with a result of determination of an actual signal receiving condition, wherein the automatic gain controller operates, under a gain control condition set by the controller, to adjust the level of the OFDM signal in accordance with a signal level detected by the detector.

5. (Original) An OFDM receiver according to claim 4, wherein the controller stores as history data an average value of previous level detection results, and uses the history data to determine a present signal receiving condition.

6. (Original) An OFDM receiver according to claim 4, wherein the controller determines an actual signal receiving condition in each predetermined period.

7. (Previously Presented) An OFDM receiver according to claim 4, wherein the controller detects at least one of gain control period, level detection period, level control range for gain control and gain control amount.

8. (Previously Presented) An OFDM receiver according to claim 5, wherein the controller detects at least one of gain control period, level detection period, level control range for gain control and gain control amount.

9. (Previously Presented) An OFDM receiver according to claim 6, wherein the controller detects at least one of gain control period, level detection period, level control range for gain control and gain control amount.